

PROJECT DESCRIPTION

I. GENERAL

This project involves the replacement of existing presence detection with video detection as well as the replacement of the SB probes. The pole in the SW corner of the intersection will be relocated due to geometric improvements.

II. INTERSECTION OPERATION

1. The intersection is to operate in a NEMA 3-phase, semi-actuated mode. NO functional changes are planned.

NOTES

1. All pavement markings shall be installed as part of the milling and resurfacing project. H04305168
2. The contractor shall be responsible for terminating all signal cable to the appropriate terminals and properly label each cable.
3. All traffic signal foundations shall be installed at the final sidewalk or curb grade for closed sections, highest roadway profile grade for open sections, to meet clearances as specified in the appropriate 800 series Standard Plates. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
4. All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.
5. Contractor shall contact the SHA Signal Operations section at least 72 hours prior to relocating mast arm to coordinate signal turn on. The contractor shall also contact the Traffic Operations Division at least 72 hours prior to relocation to arrange for inspection services.

CONTACTS

DISTRICT

Mr. JOHN CONCANNON
ASSISTANT DISTRICT ENGINEER - TRAFFIC
1-301-624-8140

MS. ANDREA ABEND
ASSISTANT DISTRICT ENGINEER - UTILITIES
1-301-624-8116

MR. JOHN HUCHROWSKI
ASSISTANT DISTRICT ENGINEER - CONSTRUCTION
1-301-624-8201

MR. RAY JOHNSON
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
1-301-624-8106

OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
410-787-7630

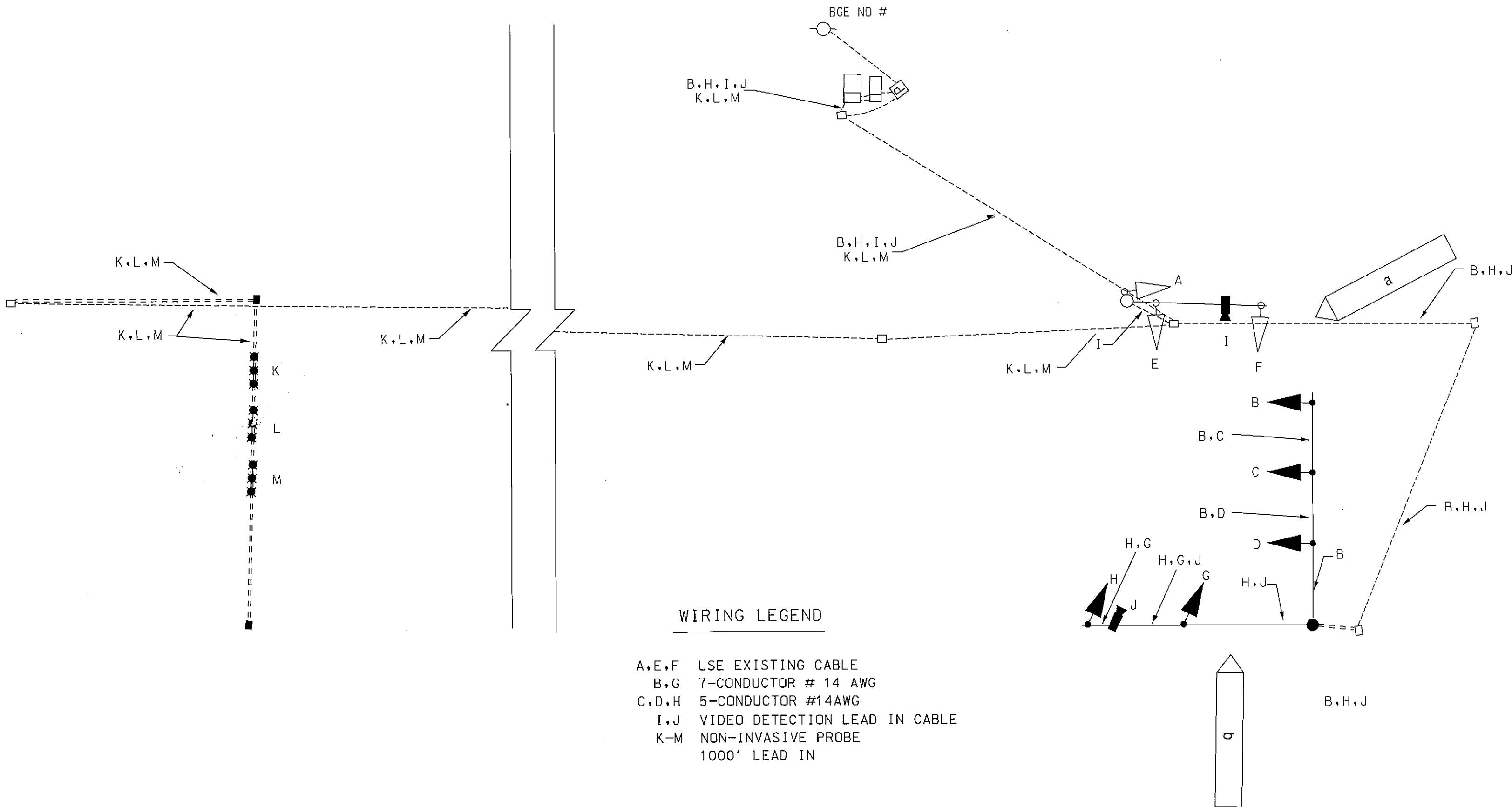
MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF, TRAFFIC OPERATIONS
410-787-7630

MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
410-787-7650

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
410-787-7670

MS. DARLENE EIDE
SUPPLY OFFICER IV (SIGNAL SHOP WAREHOUSE)
410-787-7668

WIRING DIAGRAM



WIRING LEGEND

- A,E,F USE EXISTING CABLE
B,G 7-CONDUCTOR # 14 AWG
C,D,H 5-CONDUCTOR #14AWG
I,J VIDEO DETECTION LEAD IN CABLE
K-M NON-INVASIVE PROBE
1000' LEAD IN

EQUIPMENT LIST

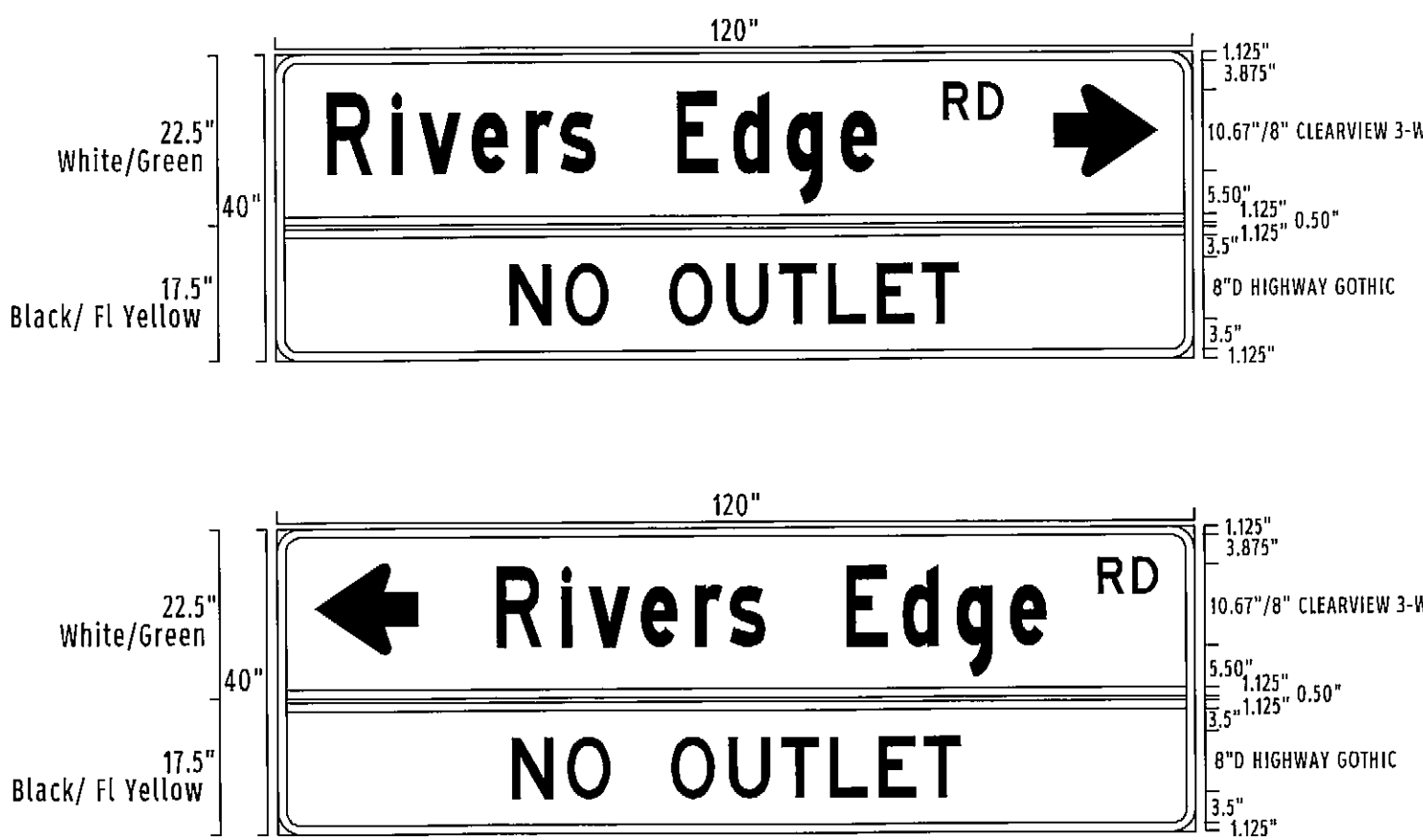
A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

ITEM NO.	QUANTITY	DESCRIPTION
9000	1 EA	VIDEO DETECTION INTERFACE PANEL
9000	1 EA	VIDEO DETECTION ACCESS POINT
9571	70 SF	SHEET ALUMINUM SIGN- MAST ARM/POLE MOUNTED

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8006	1 EA	REMOVE AND DISPOSE OF EXISTING EQUIPMENT
8007	2 EA	VIDEO DETECTION CAMERA AND CABLE
8012	75 LF	SCH 80 RIGID PVC CONDUIT UP TO 4"-SLOTTED
8013	65 LF	SCH 80 RIGID PVC CONDUIT UP TO 4"-TRENCHED
8018	3 EA	NON-INVASIVE DETECTOR, 1000 FOOT LEAD IN CABLE
8019	2 EA	ELECTRICAL HANDHOLE
8002	2 EA	ADJUST EXISTING HANDHOLE TO GRADE
8025-A	75 LF	ELECTRICAL CABLE, 5-CONDUCTOR #14AWG
8026-A	400 LF	ELECTRICAL CABLE, 7-CONDUCTOR #14AWG
8027-A	1 EA	RELOCATE EXISTING MAST ARM POLE, SIGNAL HEADS AND SIGNS INSTALL OVERHEAD SIGN

- C. ALL EQUIPMENT REMOVED IN ACCORDANCE WITH THESE PLANS SHALL BECOME THE PROPERTY OF THE CONTRACTOR.



SEQUENCE OF CONSTRUCTION (RELOCATED MAST ARM)

1. CONTRACTOR SHALL ADJUST EXISTING HANDBOX TO FINAL ISLAND GRADE
2. CONTRACTOR SHALL EXCAVATE AND POUR NEW FOUNDATION AND MAKE CONDUIT CONNECTION TO EXISTING HANDBOX
3. CONTRACTOR SHALL PULL ALL NEW CABLE AND COIL IN EXISTING HANDBOX
4. ONCE CONCRETE IS CURED, CONTRACTOR SHALL REMOVE EXISTING POLE FROM EXISTING FOUNDATION AND SET ON PROPOSED FOUNDATION. CONTRACTOR SHALL THEN MAKE ALL WIRING CONNECTIONS.
5. ONCE SIGNAL HEAD WIRING HAS BEEN CONNECTED, INSTALL NEW CAMERA AND OVERHEAD SIGNS

TOD NO:XX355-01
SHA NO:H0460K51
US 29@RIVER'S EDGE RD



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
US 29 @ River's Edge Rd
COLUMBIA, MARYLAND

GENERAL INFORMATION SHEET

SCALE: NA ADVERTISED DATE: CONTRACT NO. XX3555168

DESIGNED BY: C. STRAIN COUNTY: HOWARD
DRAWN BY: C. STRAIN LOGMILE: 13002903.65
CHECKED BY: D. DODA TMS NO. J509
F.A.P. NO. TOD NO.

TS NO. 1862E DRAWING SG-2 OF 2 SHEET NO. OF

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